

# DATA TRACKING AND TECHNICAL FACT SHEET

**Permittee:** Metropolitan District Commission

## PERMIT, ADDRESS, AND FACILITY DATA

**PERMIT #:** CT0100994    **APPLICATION #:** 201003460    **FACILITY ID.** 164-001

<b>Mailing Address:</b> Street: 555 Main Street, P.O. Box 800 City: Hartford                      ST: CT   Zip: 06142 Contact Name: Tom Tyler Phone No.: 860-278-7850 ext. 3511	<b>Location Address:</b> Street: 1222 Poquonock Ave. City: Windsor                      ST: CT   Zip: 06095 Contact Name: Carl Veilleux Phone No.: 860-278-7850 ext. 3496 DMR Contact email address: cveilleux@themdc.com
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## PERMIT INFORMATION

**DURATION** 5 YEAR X    10 YEAR \_\_\_\_    30 YEAR \_\_\_\_

**TYPE** New \_\_\_\_    Reissuance X    Modification \_\_\_\_

**CATEGORIZATION** POINT (X)    NON-POINT ( )    GIS #

NPDES (X)    PRETREAT ( )    GROUND WATER (UIC) ( )    GROUND WATER (OTHER) ( )

NPDES MAJOR (MA) X

NPDES SIGNIFICANT MINOR or PRETREAT SIU (SI) \_\_\_\_

NPDES or PRETREATMENT MINOR (MI) \_\_\_\_

**COMPLIANCE SCHEDULE** YES X    NO \_\_\_\_

POLLUTION PREVENTION \_\_\_\_    TREATMENT REQUIREMENT \_\_\_\_

WATER QUALITY REQUIREMENT X    OTHER \_\_\_\_

## OWNERSHIP CODE

Private \_\_\_\_    Federal \_\_\_\_    State \_\_\_\_    Municipal (town only) \_\_\_\_    Other public X

**DEEP STAFF ENGINEER:** Steve Muollo

**DATE DRAFTED:** June 19, 2015

## PERMIT FEES

Discharge Code	DSN Number	Annual Fee
111000e	001-1	\$2,682.50

## **FOR NPDES DISCHARGES**

Drainage Basin Code: 4300

Water Quality Classification Goal: **B**

Segment: Farmington River **01**

## **NATURE OF BUSINESS GENERATING DISCHARGE**

*Municipal Sanitary Sewage Treatment*

## **PROCESS AND TREATMENT DESCRIPTION (by DSN)**

Secondary biological treatment with seasonal chlorination/dechlorination

**RESOURCES USED TO DRAFT PERMIT**

X Federal Effluent Limitation Guideline 40CFR 133 Secondary Treatment Category

   Performance Standards

   Federal Development Document  
name of category

X Department File Information

X Connecticut Water Quality Standards

X Anti-degradation Policy

   Coastal Management Consistency Review Form

   Other - Explain

**BASIS FOR LIMITATIONS, STANDARDS OR CONDITIONS**

X Secondary Treatment (Section 22a-430-4(r) of the Regulations of Connecticut State Agencies)

X Case-by-Case Determination (See Other Comments)

X In order to meet in-stream water quality (See General Comments)

   Anti-degradation policy

**GENERAL COMMENTS**

The Metropolitan District Commission ("MDC") operates a municipal water pollution control facility ("the facility") located at 1222 Poquonock Ave., Windsor. The facility is designed to treat and discharge up to 5.0 million gallons a day of effluent into Farmington River. The facility currently uses secondary treatment with chlorine disinfection to treat effluent before being discharged. Pursuant to Conn. Gen. Stat. § 22a-430, the Department of Energy and Environmental Protection has issued MDC a permit for the discharge from this facility. MDC has submitted an application to renew its permit. The Department has made a tentative determination to approve MDC's application and has prepared a draft permit consistent with that determination.

The most significant changes from the current permit are the revised bacteria monitoring requirements (e.g. *E. coli*), Aluminum monitoring to be consistent with the most recent CT Water Quality Standards and Iron monitoring to be consistent with EPA's National Recommended Water Quality Criteria. Chronic Aquatic Toxicity Testing was added due to receiving stream impairment.

**SPECIFIC REQUIREMENTS OR REVISIONS**

The Department reviewed the application for consistency with Connecticut's Water Quality Standards and determined that with the limits in the draft permit, including those discussed below, that the draft permit is consistent with maintenance and protection of water quality in accordance with the Tier I Anti-degradation Evaluation and Implementation Review provisions of such Standards.

The need for inclusion of water quality based discharge limitations in this permit was evaluated consistent with Connecticut Water Quality Standards and criteria, pursuant to 40 CFR 122.44(d). Discharge monitoring data was evaluated for consistency with the available aquatic life criteria (acute and chronic) and human health (fish consumption only) criteria, considering the zone of influence allocated to the facility where appropriate. In addition to this review, the statistical procedures outlined in the EPA Technical Support Document for Water Quality-based Toxics Control (EPA/505/2-90-001) were employed to calculate the need for such limits. Comparison of the attached monitoring data and its inherent variability with the calculated water quality based limits indicates a low statistical probability of exceeding such limits. Therefore, no water quality based limits were included in the permit

*at this time.*

**WATER QUALITY LIMIT CALCULATIONS**

*Review of copper data collected as part of quarterly toxicity testing and collected as part of monthly monitoring done over the last permit cycle showed a continuation of copper levels seen during the last permit cycle. While the quarterly toxicity test results do not indicate the need to include a limit, the continuing trend of marginal levels of copper gives rise for continued copper monitoring with the expectation that if the trend continues, a limit will be included in the next permit renewal.*

*See attached*

DRAFT